45. (Currently Amended) A crop comprising a plurality of plants according to claim 13, 31 or 43, or a progeny thereof, planted together in an agricultural field.

46-56. (Canceled).

57. (Currently Amended) A method of producing a <u>reduced nicotine</u> tobacco plant <del>having decreased levels of nicotine in leaves of said tobacco plant, said method comprising:</del>

growing a tobacco-plant, or progeny plants thereof, wherein said plant comprises cells containing a DNA construct comprising a transcriptional initiation region functional in said plant and an exogenous DNA sequence operably joined to said transcriptional initiation region, wherein a transcribed strand of said DNA sequence is complementary to endogenous quinolate phosphoribosyl transferase messenger RNA in said cells

providing a tobacco plant cell;

providing the isolated nucleic acid of claim 1;

transferring the isolated nucleic acid of claim 1 to said tobacco plant cell so as to obtain a transformed tobacco plant cell, wherein said transformed tobacco plant cell has a reduced expression of a quinolate phosphoribosyl transferase gene as compared to a non-transformed tobacco plant cell; and

regenerating the transformed tobacco plant cell into a reduced nicotine tobacco plant.

58-60. (Canceled).

- 61. (Currently Amended) The method according to claim 57, wherein said exogenous DNA isolated nucleic acid sequence comprises the quinolate phosphoribosyl transferase encoding sequence of SEQ ID NO:1 of claim 1 is in antisense orientation.
- 62. (Currently Amended) The method according to claim 57, wherein said exogenous DNA isolated nucleic acid sequence comprises a quinolate phosphoribosyl transferase encoding sequence selected from the DNA sequences of claim 1, in antisense orientation is in sense orientation.
- 63-93. (Canceled).
- 94. (New) An isolated nucleic acid comprising at least about 30 consecutive nucleotides of the nucleotide sequence of SEQ ID NO:1.
- 95. (New) The nucleic acid of claim 94, comprising at least about 50 consecutive nucleotides of the nucleotide sequence of SEQ ID NO:1.
- 96. (New) The nucleic acid of claim 94, comprising at least about 75 consecutive nucleotides of the nucleotide sequence of SEQ ID NO:1.
- 97. (New) The nucleic acid of claim 94, comprising at least about 100 consecutive nucleotides of the nucleotide sequence of SEQ ID NO:1.
- 98. (New) The nucleic acid of claim 94, comprising at least about 125 consecutive nucleotides of the nucleotide sequence of SEQ ID NO:1.

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- 99. (New) The nucleic acid of claim 94, comprising at least about 150 consecutive nucleotides of the nucleotide sequence of SEQ ID NO:1
- 100. (New) The nucleic acid of claim 94, comprising at least about 200 consecutive nucleotides of the nucleotide sequence of SEQ ID NO:1.
- 101. (New) The nucleic acid of Claim 94, wherein the nucleic acid is in sense orientation.
- 102. (New) The nucleic acid of Claim 94, wherein the nucleic acid is in antisense orientation.
- 103. (New) The nucleic acid of Claim 94, wherein the nucleic acid is DNA.
- 104. (New) The nucleic acid of Claim 94, wherein the nucleic acid is RNA.
- 105. (New) A vector comprising the nucleic acid of Claim 94.
- 106. (New) An isolated cell comprising the vector of Claim 105.
- 107. (New) The nucleic acid of Claim 94, further comprising a detectable moiety.